

SAFETY DATA SHEET

1. Identification

Product identifier: TEGO® Dispers 689

Chemical name: Polymer with pigment affinity groups

Other means of identification

Recommended use: Industrial use

Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Australia Pty Ltd
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2. Hazard(s) identification

Classification according to GHS

Health Hazards

Acute toxicity (Oral) Category 5

Serious Eye Damage/Eye Irritation Category 2A

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: May be harmful if swallowed.
Causes serious eye irritation.

Precautionary Statements

Prevention: Wash face, hands and any exposed skin thoroughly after handling. Wear eye protection/face protection.

Response: Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Other hazards: None known.

3. Composition/information on ingredients

Chemical name:
Polymer with pigment affinity groups

Substances

Composition information of impurities and stabilizers

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Lauric acid	No data available.	143-07-7	<3%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General information: Remove soiled or soaked clothing immediately

Inhalation:	fresh air supply, consult a doctor if feeling unwell.
Skin Contact:	In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.
Ingestion:	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	Serious eye irritation
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: High volume water jet.

Special hazards arising from the substance or mixture: In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No specific precautions.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Accidental release measures: No data available.

Methods and material for containment and cleaning up: Take up with absorbent material (eg sand, kieselguhr, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations.

Environmental Precautions: Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

7. Handling and storage

Handling

Technical measures: No data available.

Local/Total ventilation: No data available.

Safe handling advice: Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place. Protect from frost.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Observe national threshold limit values.

Biological Limit Values

Observe national threshold limit values.

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

General information: No data available.

Eye/face protection: Safety glasses

Hand Protection: Material: Nitrile rubber.
Break-through time: 10 min
Glove thickness: 0.5 mm

Other: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.
Remove soiled or soaked clothing immediately.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Amber
Odor:	specific to the product
Odor Threshold:	not measured
Freezing point:	not measured
Boiling Point:	not measured
Flammability:	not measured
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	> 200 °C/> 392 °F Method: DIN EN ISO 2719
Auto-ignition temperature:	not measured
Decomposition Temperature:	not measured
pH:	Not applicable

Viscosity

Dynamic viscosity:	27,000 mPa.s 25 °C/77 °F Method: DIN 53015
Kinematic viscosity:	25788 mm ² /s 25 °C/77 °F , Method: calculated
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	Insoluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Vapor pressure:	not measured
Relative density:	not measured
Density:	1.047 g/cm ³ 25 °C/77 °F
Bulk density:	No data available.
Relative vapor density:	not measured

Other information

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Pyrophoric properties:	not measured
Metal Corrosion:	Not corrosive to metals
Evaporation Rate:	not measured

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions".
Chemical Stability:	The product is stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling
Conditions to avoid:	Freezing.
Incompatible Materials:	Not known.
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Acute toxicity (list all possible routes of exposure)
Oral

Product: LD 50, Rat, > 2,000 mg/kg, OECD 423, The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

Components:
 Lauric acid LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401

Dermal

Product: No data available.

Components:
 Lauric acid LD 50, Rabbit, Female, Male, > 2,000 mg/kg, OECD 434

Inhalation

Product: No data available.

Components:

Lauric acid Vapour, Not toxic after single exposure, No classification
Dust and mist, Not toxic after single exposure, Not applicable

Repeated dose toxicity

Product: No data available.

Components:
Lauric acid No data available.

Skin Corrosion/Irritation

Product: No data available.

Components:
Lauric acid Not irritating, OECD 404, Rabbit

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:
Lauric acid Risk of serious damage to eyes., OECD 405, Rabbit

Respiratory or Skin Sensitization

Product: No data available.

Components:
Lauric acid Buehler Test, Guinea Pig, Not a skin sensitizer.

Carcinogenicity

Product: No data available.

Components:
Lauric acid No data available.

Germ Cell Mutagenicity

No data available.

In vitro

Product: No data available.

Components:
Lauric acid No data available.

In vivo

Product: No data available.

Components:
Lauric acid No data available.

Reproductive toxicity

Product: No data available.

Components:
Lauric acid No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:
Lauric acid No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:
Lauric acid No data available.

Aspiration Hazard**Product:** Not classified**Components:**
Lauric acid Not applicable**Information on health hazards****Other hazards****Product:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Components:**
Lauric acid LC 50, Oryzias latipes, 96 h, 5 mg/l OECD 203**Aquatic Invertebrates****Product:** No data available.**Components:**
Lauric acid EC 50, Daphnia magna, 48 h, 3.6 mg/l OECD 202
NOEC, Daphnia magna, 48 h, 1.5 mg/l OECD 202**Toxicity to Aquatic Plants****Product:** No data available.**Components:**
Lauric acid EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 7.6 mg/l (OECD 201)
EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 7.6 mg/l (OECD 201)**Toxicity to microorganisms****Product:** No data available.**Components:**
Lauric acid EC₀, Pseudomonas putida, 0.5 h, 1,000 mg/l, OECD 209**Toxicity to soil dwelling organisms****Product:** No data available.**Components:**
Lauric acid No data available.**Toxicity to terrestrial organisms****Product:** No data available.**Components:**
Lauric acid No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.

Components:

Lauric acid NOEC, Danio rerio, 28 d, 6.4 mg/l
 LC 50, Danio rerio, 28 d, 9.8 mg/l

Aquatic Invertebrates

Product: No data available.

Components:

Lauric acid NOEC, Daphnia magna, 21 d, 1.294 mg/l, OECD 211

Toxicity to Aquatic Plants

Product: No data available.

Components:

Lauric acid NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 7.6 mg/l (OECD 201)
 NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 4.4 mg/l (OECD 201)

Toxicity to microorganisms

Product: No data available.

Components:

Lauric acid EC0, Pseudomonas putida, 0.5 h, 1,000 mg/l, OECD 209

Toxicity to soil dwelling organisms

Product: No data available.

Components:

Lauric acid No data available.

Toxicity to terrestrial organisms

Product: No data available.

Components:

Lauric acid No data available.

Persistence and Degradability
Biodegradation

Product: No data available.

Components:

Lauric acid 86 %, 30 d, OECD 301 D, The product is easily biodegradable., aerobic

BOD/COD Ratio

Product: No data available.

Components:

Lauric acid No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)

Product: No data available.

Components:

Lauric acid No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: not measured

Components:

Lauric acid 5, QSAR

Mobility in soil:

Product No data available.

Components:
Lauric acid No data available.

Other adverse effects:

Other hazards

Product: Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport information

ADG

Not regulated as a dangerous good

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. Regulatory information

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol
Not applicable

16. Other information, including date of preparation or last revision

Issue Date: 16.09.2021

Version #: 1.2

Abbreviations and acronyms:

AllC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further Information: No data available.

Revision Information: Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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